

Lee, Li

1645

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,405A

DATE: 03/22/2000
TIME: 15:26:41

Input Set: I147405A.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

P#14

ENTERED

1 <110> APPLICANT: Guss, Bengt
2 Nilsson, Martin
3 Frykberg, Lars
4 Flock, Jan-Ingmar
5 Lindberg, Martin
6 <120> TITLE OF INVENTION: Fibrinogen Binding Protein Originating from
7 Coagulase-Negative Staphylococcus
8 <130> FILE REFERENCE: guss 09/147405
9 <140> CURRENT APPLICATION NUMBER: US/09/147,405A
10 <141> CURRENT FILING DATE: 1999-04-01
11 <150> EARLIER APPLICATION NUMBER: PCT/SE97/10191
12 <151> EARLIER FILING DATE: 1997-06-18
13 <150> EARLIER APPLICATION NUMBER: SE 9602496-3
14 <151> EARLIER FILING DATE: 1996-06-20
15 <160> NUMBER OF SEQ ID NOS: 15
16 <170> SOFTWARE: PatentIn Ver. 2.0
17 <210> SEQ ID NO 1
18 <211> LENGTH: 20
19 <212> TYPE: DNA
20 <213> ORGANISM: Artificial Sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
23 <400> SEQUENCE: 1
24 caacaaccat ctcacacaac
25 <210> SEQ ID NO 2
26 <211> LENGTH: 22
27 <212> TYPE: DNA
28 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
31 <400> SEQUENCE: 2
32 catcaaattg atatttccca tc
33 <210> SEQ ID NO 3
34 <211> LENGTH: 18
35 <212> TYPE: DNA
36 <213> ORGANISM: Staphylococcus epidermidis
37 <220> FEATURE:
38 <221> NAME/KEY: variation /
39 <222> LOCATION: (3)
40 <223> OTHER INFORMATION: n is c or t
41 <220> FEATURE:
42 <221> NAME/KEY: variation /
43 <222> LOCATION: (6)
44 <223> OTHER INFORMATION: n is c, t, a, or g

00 APR -6 AM 9:17

RECEIVED
TECHNICAL SERVICES
03/22/2000

22

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,405A

DATE: 03/22/2000
TIME: 15:26:41

Input Set: I147405A.RAW

RECEIVED
00 APR -6 AM 9:17

45 <220> FEATURE:
46 <221> NAME/KEY: variation
47 <222> LOCATION: (9)
48 <223> OTHER INFORMATION: n is c or t
49 <220> FEATURE:
50 <221> NAME/KEY: variation
51 <222> LOCATION: (12)
52 <223> OTHER INFORMATION: n is c, t, a, or g
53 <220> FEATURE:
54 <221> NAME/KEY: variation
55 <222> LOCATION: (15)
56 <223> OTHER INFORMATION: n is c or t
57 <220> FEATURE:
58 <221> NAME/KEY: variation
59 <222> LOCATION: (18)
60 <223> OTHER INFORMATION: n is c or t
61 <400> SEQUENCE: 3
W--> 62 gantcngant cnganagn 18
63 <210> SEQ ID NO 4
64 <211> LENGTH: 19
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
69 <400> SEQUENCE: 4
70 aggtcaagga caaggtgac 19
71 <210> SEQ ID NO 5
72 <211> LENGTH: 21
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
77 <400> SEQUENCE: 5
78 ccgatgaaaa tggaaagtat c 21
79 <210> SEQ ID NO 6
80 <211> LENGTH: 21
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
85 <400> SEQUENCE: 6
86 tccgttatct atactaaagt c 21
87 <210> SEQ ID NO 7
88 <211> LENGTH: 21
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
93 <400> SEQUENCE: 7
94 actgatcatg atgactttag t 21

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,405A

DATE: 03/22/2000
TIME: 15:26:41

Input Set: I147405A.RAW

```

95 <210> SEQ ID NO 8
96 <211> LENGTH: 32
97 <212> TYPE: DNA
98 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
101 <400> SEQUENCE: 8
102      gcggatccaa tcagtcaata aacaccgacg at                               32
103 <210> SEQ ID NO 9
104 <211> LENGTH: 32
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
107 <220> FEATURE:
108 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
109 <400> SEQUENCE: 9
110      cggaattctg ttcggactga tttggaagtt cc                               32
111 <210> SEQ ID NO 10
112 <211> LENGTH: 1781
113 <212> TYPE: DNA
114 <213> ORGANISM: Staphylococcus epidermidis
115 <220> FEATURE:
116 <221> NAME/KEY: CDS
117 <222> LOCATION: (3)..(1781)
118 <400> SEQUENCE: 10
119      ac cac cac cac cac cac cac ccc tct agt gat gaa gaa aag aat gat       47
120          His His His His His His Pro Ser Ser Asp Glu Glu Lys Asn Asp
121              1              5              10              15
122      gtg atc aat aat aat cag tca ata aac acc gac gat aat aac caa ata       95
123      Val Ile Asn Asn Asn Gln Ser Ile Asn Thr Asp Asp Asn Asn Gln Ile
124              20              25              30
125      att aaa aaa gaa gaa acg aat aac tac gat ggc ata gaa aaa cgc tca       143
126      Ile Lys Lys Glu Glu Thr Asn Asn Tyr Asp Gly Ile Glu Lys Arg Ser
127              35              40              45
128      gaa gat aga aca gag tca aca aca aat gta gat gaa aac gaa gca aca       191
129      Glu Asp Arg Thr Glu Ser Thr Thr Asn Val Asp Glu Asn Glu Ala Thr
130              50              55              60
131      ttt tta caa aag acc cct caa gat aat act cat ctt aca gaa gaa gag       239
132      Phe Leu Gln Lys Thr Pro Gln Asp Asn Thr His Leu Thr Glu Glu Glu
133              65              70              75
134      gta aaa gaa tcc tca tca gtc gaa tcc tca aat tca tca att gat act       287
135      Val Lys Glu Ser Ser Ser Val Glu Ser Ser Asn Ser Ser Ile Asp Thr
136              80              85              90              95
137      gcc caa caa cca tct cac aca aca ata aat aga gaa gaa tct gtt caa       335
138      Ala Gln Gln Pro Ser His Thr Thr Ile Asn Arg Glu Glu Ser Val Gln
139              100              105              110
140      aca agt gat aat gta gaa gat tca cac gta tca gat ttt gct aac tct       383
141      Thr Ser Asp Asn Val Glu Asp Ser His Val Ser Asp Phe Ala Asn Ser
142              115              120              125
143      aaa ata aaa gag agt aac act gaa tct ggt aaa gaa gag aat act ata       431
144      Lys Ile Lys Glu Ser Asn Thr Glu Ser Gly Lys Glu Glu Asn Thr Ile

```

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,405A

 DATE: 03/22/2000
 TIME: 15:26:41

Input Set: I147405A.RAW

145		130		135		140		
146	gag	caa	cct	aat	aaa	gta	aaa	gaa
147	Glu	Gln	Pro	Asn	Lys	Val	Lys	Glu
148		145		150		155		
149	ggc	tat	aca	aat	ata	gat	gaa	aaa
150	Gly	Tyr	Thr	Asn	Ile	Asp	Glu	Lys
151		160		165		170		175
152	aat	tta	cca	ata	aat	gaa	tat	gaa
153	Asn	Leu	Pro	Ile	Asn	Glu	Tyr	Glu
154				180		185		190
155	aca	tct	gcc	caa	cca	tcg	att	aaa
156	Thr	Ser	Ala	Gln	Pro	Ser	Ile	Lys
157			195			200		205
158	gcg	gaa	caa	ggt	tcg	aat	gtt	aac
159	Ala	Glu	Gln	Gly	Ser	Asn	Val	Asn
160			210			215		220
161	agt	att	act	gaa	gga	tat	gat	gat
162	Ser	Ile	Thr	Glu	Gly	Tyr	Asp	Asp
163			225			230		235
164	gat	gct	gaa	aac	tta	atc	tat	gat
165	Asp	Ala	Glu	Asn	Leu	Ile	Tyr	Asp
166		240			245		250	255
167	gtg	aaa	tct	ggt	gat	acg	atg	aca
168	Val	Lys	Ser	Gly	Asp	Thr	Met	Thr
169				260		265		270
170	cca	tca	gat	tta	acc	gat	agc	ttt
171	Pro	Ser	Asp	Leu	Thr	Asp	Ser	Phe
172			275			280		285
173	tct	gga	gaa	atc	atc	gct	aca	ggt
174	Ser	Gly	Glu	Ile	Ile	Ala	Thr	Gly
175			290			295		300
176	atc	acc	tat	act	ttt	aca	gat	tat
177	Ile	Thr	Tyr	Thr	Phe	Thr	Asp	Tyr
178		305			310		315	
179	gca	cac	ctt	aaa	tta	acg	tca	tac
180	Ala	His	Leu	Lys	Leu	Thr	Ser	Tyr
181		320			325		330	335
182	aat	aat	acc	aag	tta	gat	gta	gaa
183	Asn	Asn	Thr	Lys	Leu	Asp	Val	Glu
184			340			345		350
185	aat	aaa	aca	att	acg	gtt	gaa	tat
186	Asn	Lys	Thr	Ile	Thr	Val	Glu	Tyr
187			355			360		365
188	gct	aac	ctt	caa	agt	atg	ttt	aca
189	Ala	Asn	Leu	Gln	Ser	Met	Phe	Thr
190			370			375		380
191	gtt	gag	caa	acg	att	tat	att	aac
192	Val	Glu	Gln	Thr	Ile	Tyr	Ile	Asn
193		385			390		395	
194	aca	aat	gta	aat	att	tca	ggg	aat

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/147,405A

 DATE: 03/22/2000
 TIME: 15:26:41

Input Set: I147405A.RAW

```

195      Thr Asn Val Asn Ile Ser Gly Asn Gly Asp Glu Gly Ser Thr Ile Ile
196      400                      405                      410                      415
197      gac gat agc aca ata att aaa gtt tat aag gtt gga gat aat caa aat      1295
198      Asp Asp Ser Thr Ile Ile Lys Val Tyr Lys Val Gly Asp Asn Gln Asn
199                      420                      425                      430
200      tta cca gat agt aac aga att tat gat tac agt gaa tat gaa gat gtc      1343
201      Leu Pro Asp Ser Asn Arg Ile Tyr Asp Tyr Ser Glu Tyr Glu Asp Val
202                      435                      440                      445
203      aca aat gat gat tat gcc caa tta gga aat aat aat gat gtg aat att      1391
204      Thr Asn Asp Asp Tyr Ala Gln Leu Gly Asn Asn Asn Asp Val Asn Ile
205                      450                      455                      460
206      aat ttt ggt aat ata gat tca cca tat att att aaa gtt att agt aaa      1439
207      Asn Phe Gly Asn Ile Asp Ser Pro Tyr Ile Ile Lys Val Ile Ser Lys
208                      465                      470                      475
209      tat gac cct aat aag gat gat tac acg act ata cag caa act gtg aca      1487
210      Tyr Asp Pro Asn Lys Asp Asp Tyr Thr Thr Ile Gln Gln Thr Val Thr
211      480                      485                      490                      495
212      atg cag acg act ata aat gag tat act ggt gag ttt aga aca gca tcc      1535
213      Met Gln Thr Thr Ile Asn Glu Tyr Thr Gly Glu Phe Arg Thr Ala Ser
214                      500                      505                      510
215      tat gat aat aca att gct ttc tct aca agt tca ggt caa gga caa ggt      1583
216      Tyr Asp Asn Thr Ile Ala Phe Ser Thr Ser Ser Gly Gln Gly Gln Gly
217                      515                      520                      525
218      gac ttg cct cct gaa aaa act tat aaa atc gga gat tac gta tgg gaa      1631
219      Asp Leu Pro Pro Glu Lys Thr Tyr Lys Ile Gly Asp Tyr Val Trp Glu
220                      530                      535                      540
221      gat gta gat aaa gat ggt att caa aat aca aat gat aat gaa aaa ccg      1679
222      Asp Val Asp Lys Asp Gly Ile Gln Asn Thr Asn Asp Asn Glu Lys Pro
223                      545                      550                      555
224      ctt agt aat gta ttg gta act ttg acg tat cct gat gga act tca aaa      1727
225      Leu Ser Asn Val Leu Val Thr Leu Thr Tyr Pro Asp Gly Thr Ser Lys
226      560                      565                      570                      575
227      tca gtc aga aca gat gaa gat ggg aaa tat caa ttt gat ggg gtg cag      1775
228      Ser Val Arg Thr Asp Glu Asp Gly Lys Tyr Gln Phe Asp Gly Val Gln
229                      580                      585                      590
230      gtc gac      1781
231      Val Asp
232      <210> SEQ ID NO 11
233      <211> LENGTH: 593
234      <212> TYPE: PRT
235      <213> ORGANISM: Staphylococcus epidermidis
236      <400> SEQUENCE: 11
237      His His His His His His Pro Ser Ser Asp Glu Glu Lys Asn Asp Val
238      1                      5                      10                      15
239      Ile Asn Asn Asn Gln Ser Ile Asn Thr Asp Asp Asn Asn Gln Ile Ile
240                      20                      25                      30
241      Lys Lys Glu Glu Thr Asn Asn Tyr Asp Gly Ile Glu Lys Arg Ser Glu
242                      35                      40                      45
243      Asp Arg Thr Glu Ser Thr Thr Asn Val Asp Glu Asn Glu Ala Thr Phe
244      50                      55                      60

```

VERIFICATION SUMMARY
PATENT APPLICATION US/09/147,405A

DATE: 03/22/2000
TIME: 15:26:41

Input Set: I147405A.RAW

Line	Error/Warning	Original Text
62	W "N" or "Xaa" used: Feature required	gantcngant cnganagn